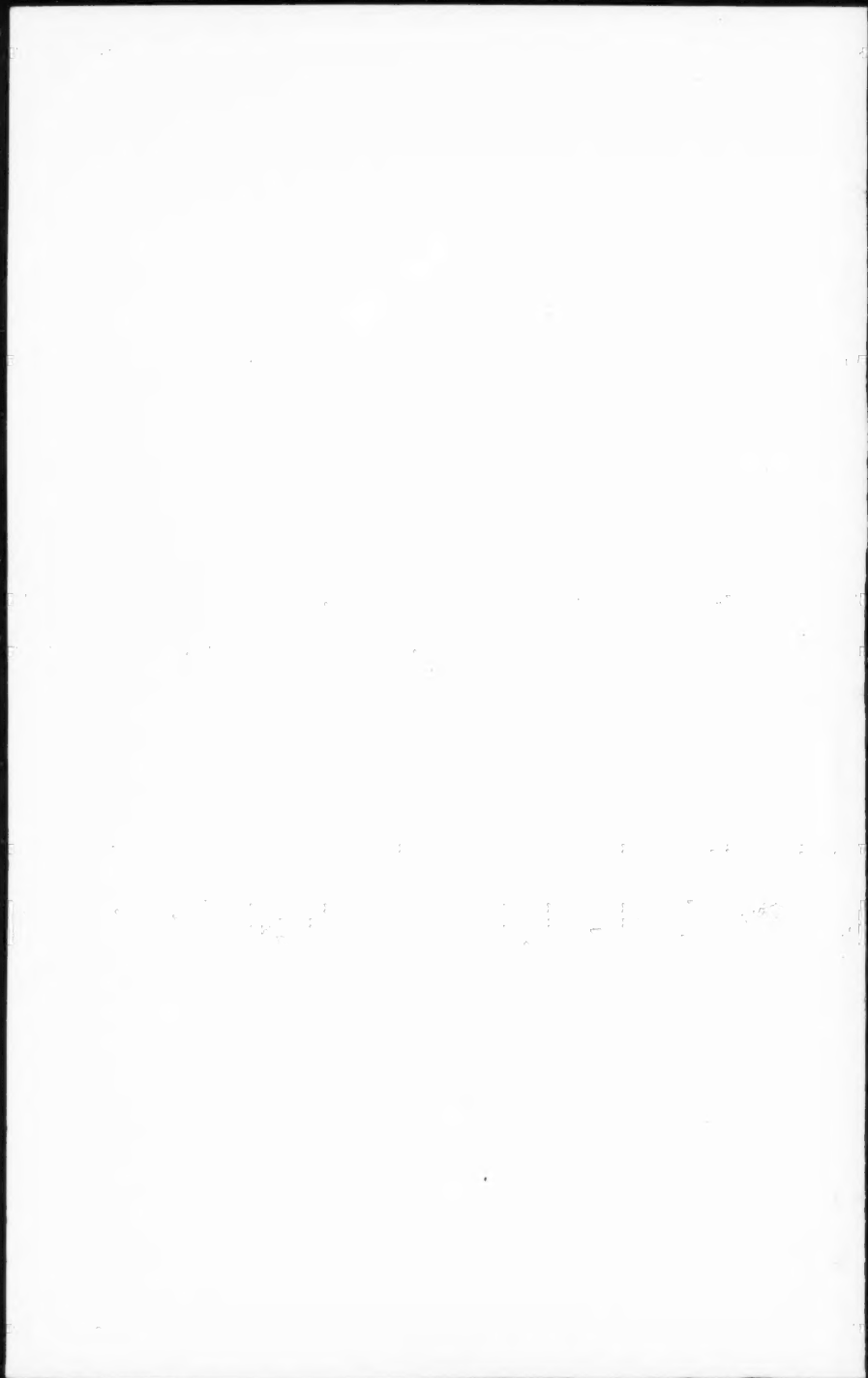


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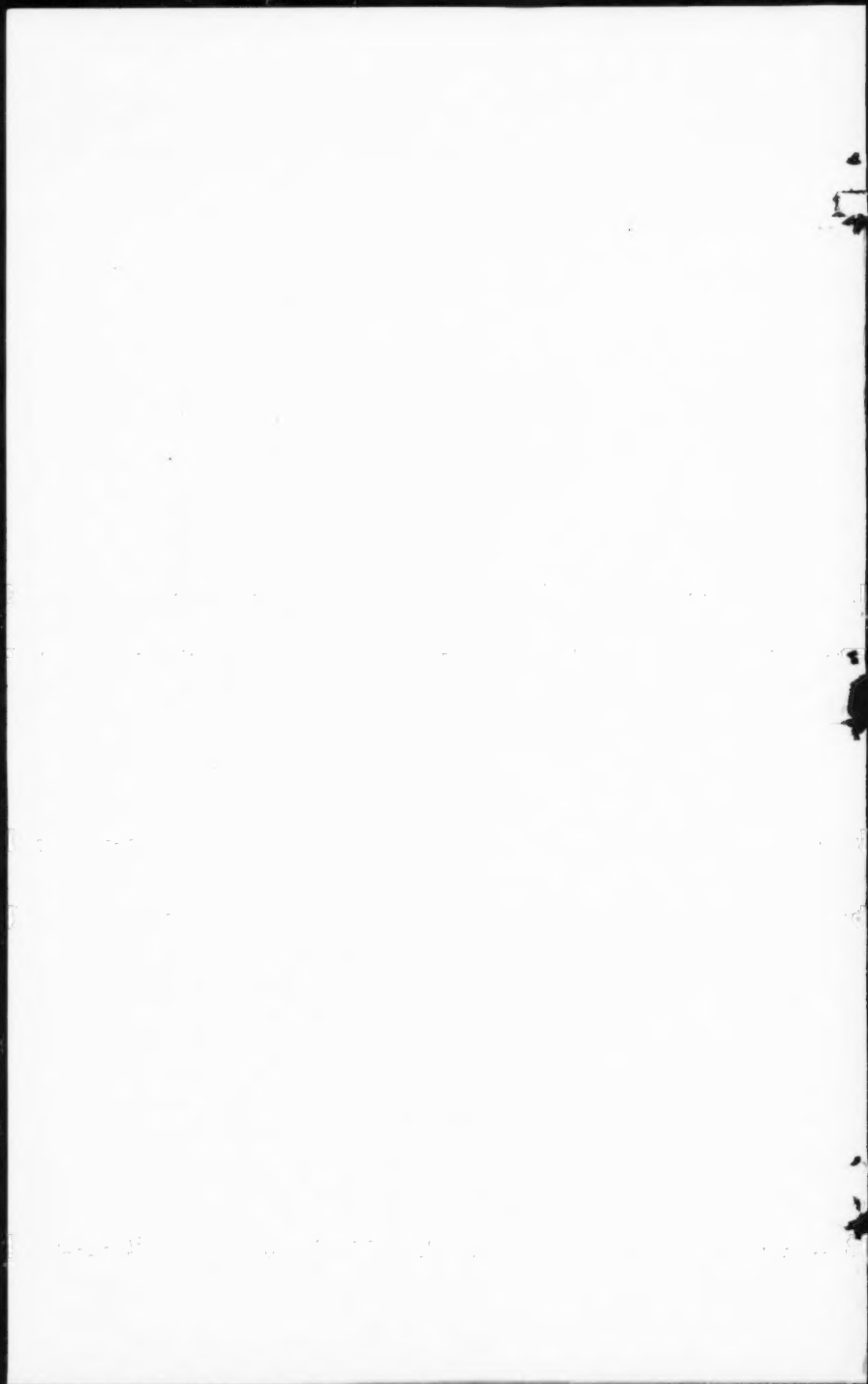
1968

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*Journals (Proceedings)
Civil Engineering
and
Transactions*

January, 1969/\$2.00



INDEX TO 1968 ASCE PERIODICAL PUBLICATIONS

FOREWORD

The 1968 Index, which provides a guide to information published by ASCE during 1968, combines material appearing in the Journals (Proceedings Vol. 94), CIVIL ENGINEERING (Vol. 38), and Transactions (Vol. 133).

The user will find all articles and papers dealing with specific subject areas listed under one or more appropriate subject headings suggested by the content and application of the paper. The Engineers Joint Council "Thesaurus of Engineering Terms" has been used as the primary source of index terms. Additional terms not presently in the Thesaurus have been used when necessary.

The Index can be used in conjunction with the information-retrieval cards printed in the front of each journal. The underlined key words on the information-retrieval abstracts are the words used as index terms in the 1968 Index.

The name index contains entries indexed under the names of authors, co-authors, discussers, chairmen of committees preparing reports, and deceased members whose memoirs appeared in Transactions.

In the name index, the entry for a Proceedings Paper (under the first named if more than one author) is supplemented by information concerning the discussion, closure, and Transactions Digest, if applicable. To find what discussion, if any, there has been for Proceedings Papers located in the subject index, the reader looks under the entry for the first-named author in the name index. When discussion of a paper from a prior year is published, the original entry is repeated. Discussion over a period of time can be traced until the closure to the paper is located.

Discussions of CIVIL ENGINEERING items are noted in the subject index as well as in the name index under the discussor's name.

When the paper appears in Transactions, the complete entry including original paper, discussion, closure, and errata, if applicable, and Transactions citation appears in the name index. The subject entry contains a citation to the original paper and the Transactions reference.

Typical abbreviations used herein are:

Dsc for discussion,
Clo for closing discussion,
Corr for corrections,
Chmn for Chairman of a committee submitting a report, and
TR for Transactions.

Division Abbreviations: Aero-Space Transport (AT), Construction (CO), Engineering Mechanics (EM), Highway (HW), Hydraulics (HY), Irrigation and Drainage (IR), Pipeline (PL), Power (PO), Sanitary Engineering (SA), Soil Mechanics and Foundations (SM), Structural (ST), Surveying and Mapping (SU), Urban Planning and Development (UP), and Waterways and Harbors (WW). Papers sponsored by the Department of Professional Activities are identified by the symbols (PP).

The original publication can be found from the index entry as follows: Papers appearing in the Journals (Proceedings) are listed as:

SM5: Sept 67:233:5460

which would indicate a paper published in the Journal of the Soil Mechanics and Foundation Division, Sept. 1967, on page 233, as Proceedings Paper 5460.

The Transactions entry

TR:133:488

indicates that the Digest appears in Transactions, Volume 133, on page 488.

Articles and news items published in CIVIL ENGINEERING are represented as:

CE: Aug 68:50

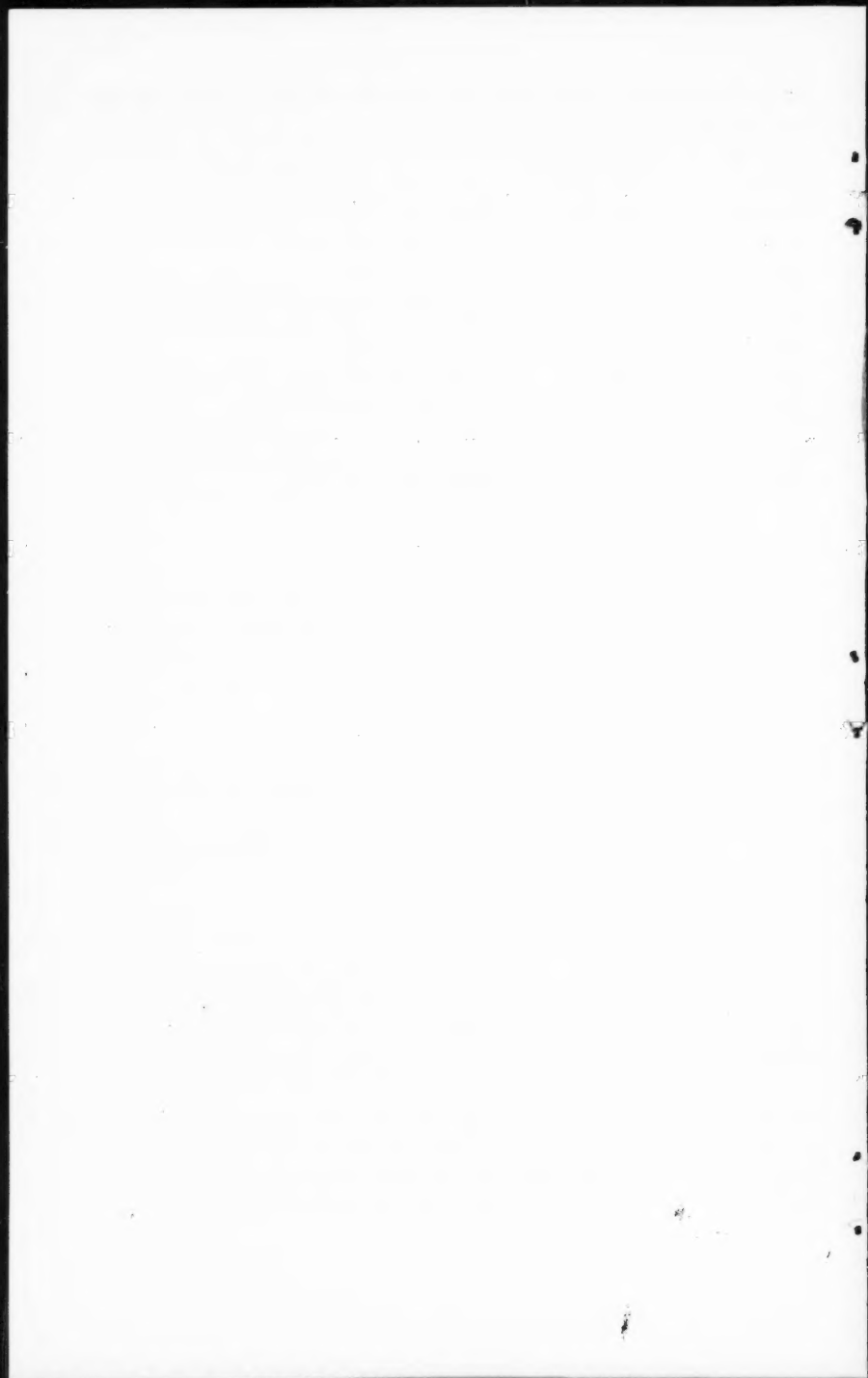
which states that the article appeared in CIVIL ENGINEERING in the August, 1968 issue on page 50.

In addition to articles, the following Departments of CIVIL ENGINEERING are indexed: ASCE News, Engineers Notebook, News Briefs, The Readers Write, and The Younger Viewpoint.

Items indexed from Vol. 94 (1968) of the Journals are identified by months. The number of Journals published by a Division in 1968 can be obtained from the number after the Division abbreviation, i.e., SM6 November, 1968 identifies the sixth issue of the Journal of the Soil

Mechanics and Foundation Division. The complete list of paper numbers and Journals is as follows:

<i>Month</i>	<i>Paper Numbers</i>	<i>Journals</i>
January	5701-5769	CO1, HY1, SM1, ST1, SU1
February	5770-5824	EM1, SA1, ST2, WW1
March	5825-5874	HY2, IR1, SM2, ST3
April	5875-5919	EM2, SA2, ST4
May	5920-5960	HY3, PO1, SM3, ST5, WW2
June	5961-6011	EM3, HW1, IR2, PPI, SA3, ST6
July	6012-6048	HY4, SM4, ST7
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Nominal Diameter of Floc Related to Oxygen Transfer, James A. Mueller, Karl G. Voelkel, and William C. Boyle, SA2:Apr 66:9:4756

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Problems of Toxicity Measurements in Activated Sludge, Ludwig Hartmann and Gerhard Laubenberger, SA2:Apr 68:247:5894

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Vibration Frequencies of the Chesapeake Bay Bridge, A. Hughlett Mason and Dean S. Carder, ST2:Apr 67:237:5194

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Maintenance Practices for Rigid Pavement, Report of Subcommittee on Maintenance of the Committee on Airfield Pavement, Aero-Space Transport Division, ASCE, Walter C. Oram, Chmn., AT1:Nov 68:57:6253

Planning the Dallas-Ft. Worth Regional Airport, Walther Prokosch, CE:July 67:50

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"Report on Physical Effects of Sonic Boom" issued, CE:May 68:78

Runway Roughness Effects on New Aircraft Types, Harry R. Lee, AT1:Nov 68:1:6205

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STOL progress report, CE:Oct 68:86

Timing is Key to Boeing 747 Project, C.R. Wing, CE:Sept 68:67

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Air Quality Act becomes law, CE:Jan 68:82

Air Research Monitoring Station System, William T. Ingram, Conrad Simon, and James R. McCarroll, SA2:Apr 67:21:5170

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An all-electric city would eliminate pollution, CE:July 68:72

Dept. of Health, Education and Welfare delineates air quality control areas, CE:Mar 68:95

Dustfall as a Source of Water Quality Impairment, Richard E. Johnson, August T. Rossano, and Robert O. Sylvester, SA1: Feb 66:245:4694

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Infrared Aerial Surveys in Environmental Engineering, Rudolph V. Matalucci and Mohamed Abdel-Hady, SA6:Dec 68:1071:6277

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Public Health Service's National Center for Air Pollution Control awards 13 research contracts to reduce air pollution for sulphur oxides, CE: Apr 68:106

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- ASCE Power Division Specialty Conference, Pullman, Wash., Sept. 11-13, discussed research needs in power, CE:Dec 68:47
- Construction Engineering and Management Conference planned, Pacific Grove, Calif., Feb. 12-16, CE:Dec 68:46
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- National Meeting on Transportation Engineering, Feb. 19-23; San Diego prepares for meeting, CE:Jan 68:59; report, CE:Apr 68:62
- National Symposium on Sanitary Engineering Research Development and Design, Cornell University, July 14-16, CE:Nov 68:63
- Professional sessions draw more attendees, CE:Apr 68:93
- Specialty Conference on Environmental Engineering, Miami Beach, Fla., Dec. 10-12 papers needed, CE:Dec 68:79

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- ASCE forms Construction Research Council, CE:Aug 68:90
- Column Research Council activities, CE: Jan 68:78
- Research Council on Performance of Full-Scale Structures plans 3 projects, CE:Feb 68:82

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- ASCE movie on civil engineering available, CE: Apr 68:70

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- H.A.R. Austin dies, CE:June 68:73
- Honorary Member Guy F. Atkinson dies, CE:Nov 68:65
- Honorary Member Samuel Greeley dies, CE: Mar 68:66
- Six become Honorary Members at Pittsburgh Meeting, CE:Oct 68:68

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- New supplementary hospital coverage available for members, CE:July 68:61
- Special enrollment period, CE:Feb 68:81

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- Two Lehigh Valley section members receive life membership--Carl B. Jansen and Ralph Albright, CE:Mar 68:81

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- Arizona Section installs new officers at fall meeting, CE:Dec 68:82
- Associate Member Forum of Los Angeles Section studies technician Problem, CE:Mar 68:81
- Cleveland section active in career guidance work, CE:May 68:67
- District 9 holds annual meeting in Cleveland, CE:Dec 68:83
- Gavel changes hands in the Metropolitan Section, CE:Nov 68:66
- Indiana Section Branch to sponsor workshops on computers and steel building, CE:Aug 68:92
- Iowa sections co-sponsor Sixth Annual Water Resources Design-Conference, Iowa State University, Jan. 23-25, CE:Mar 68:82
- Local Section report on backfilling, CE:Oct 68:81
- Los Angeles Section co-sponsors Western Water and Power Symposium, April 8 and 9, CE:Feb 68:61
- Los Angeles Section host to AMF Conference, CE:Dec 68:80
- Manhattan STOL port "a necessity", CE:Dec 68:78
- Metropolitan and Philadelphia Sections plan seminar on planning and urban development, Rutgers Univ., Jan. 18-20, CE:Jan 68:78
- Metropolitan section award goes to Ronald A. Antonino, CE:June 68:79
- Metropolitan Section offers seminar on Rock Mechanics in Civil Engineering Practice, CE: Mar 68:78
- Michigan Section co-sponsors one day ICES conference at Wayne State University, April 27th, CE:Mar 68:66
- National Capital section testifies on road bill, CE:May 68:66
- Panama Section host to ASCE officers, CE: Nov 68:64
- Sacramento section sponsors education seminars on computers, CE:May 68:51
- San Francisco Local Section co-sponsors seminar on Design of Earthquake-Resistant High-Rise Buildings, CE:Jan 68:77
- San Francisco Section active Urban Planning and Development Technical group, CE:Mar 68:79
- San Francisco Section sponsors program for training minority groups, CE:May 68:71
- San Francisco sponsors second annual Engineering for People Conference, CE:Dec 68:79

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- Posthumous honor for Harry Dettmer, CE: July 68:61
- Rockefeller Public Service Award to D.A. Williams, CE:Jan 68:79

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- Admit Civil Engineering Technicians to ASCE?, CE:Sept 67:40
- Dac, C.W. Britzius, CE:Dec 67:83; Patrick J. Godsil, CE:Dec 67:83; I. Harold Zoller, CE: Dec 67:83; L. K. Himeilright, CE:Dec 67:83
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Admit Civil Engineering Technicians to ASCE?, CE:Sept 67:40

Dsc. C.W. Britz, CE:Dec 67:83; Patrick J. Godsil, CE:Dec 67:83; I. Harold Zoller, CE:Dec 67:83; L.K. Himelright, CE:Dec 67:83
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(ASCE) Presidents

ASCE's Future Is Our Business, Richard H. Tatlow, III, CE:June 68:62

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The Critical Path of ASCE (Inaugural Address), Richard H. Tatlow III, CE:Nov 67:35
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Thomas M. Niles nominated ASCE President-Elect, CE:June 68:73

(ASCE) Professional Activities

ASCE plans cooperation with engineering technicians, CE:Aug 68:86

The Critical Path of ASCE (Inaugural Address), Richard H. Tatlow III, CE:Nov 67:35
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Federal Employee-Management Cooperation: E.O. 10988, Leonard T. Crook, PP1:May 66:19:4819

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Inter-American Program: Past, Present, and Future, Frederick J. McGarry and Charles L. Miller, PP2:Dec 66:7:5038
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What Does a Member Get Out of ASCE?, William H. Wisely, CE:June 67:33
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(ASCE) Professional Objectives

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(ASCE) Publications

"Civil Engineering" 1967 survey results, CE:June 68:80

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Revised ASCE manual lists hydraulic translations, CE:Aug 68:90

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ASCE Research Fund first grant award to Dr. Charles R. O'Melia, CE:July 68:63

ASCE research program in urban water resources, CE:May 68:70

Progress Report--ASCE Combined Sewer Separation Project, M.B. McPherson, CE:Dec 67:60

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(ASCE) Scholarships & Fellowships

ASCE 1968 Student Chapter Scholarships awarded, CE:Sept 68:75

Bakhmeteff Research Fellowship offered for 1969-70, CE:Sept 68:80

John J. Baumgartner wins Ammann Research Fellowships, CE:Sept 68:72

(ASCE) Service to Members

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What Does a Member Get Out of ASCE? William H. Wisely, CE:June 67:33

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ASCE Technical Publications Staff Adds two editors--Robert D. Walker & Richard R. Torrens, CE:Feb 68:61

C.E. Lent, Jr., moves to Florida Engineering Society, CE:Dec 68:79

Hal W. Hunt retires as editor of "Civil Engineering," CE:June 68:74

Kneeland A. Godfrey, Jr. becomes editor of "Civil Engineering," CE:July 68:44

Two new editors for Technical Publications Staff, Irving Amron and Richard E. Luna, CE:May 68:50

William D. French becomes Executive Assistant to the Secretary, CE:Apr 68:93

(ASCE) Student Chapters

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New England Chapter sponsors symposium on interurban travel, CE:Sept 68:72

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Aero-Space Transport Division sponsors second space-age conference, Los Angeles, April 24-26, CE:Mar 68:65

ASCE and AIME to co-sponsor tunneling conference, Univ. of Minnesota, May 15-17, CE:Apr 68:71

ASCE co-sponsors with AIME specialty conference on tunneling and shaft sinking, CE:Aug 68:85

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ASCE Hydraulics Div. conference Aug. 21-23, M.I.T., CE:May 68:48

ASCE Hydraulics Division's 16th Annual Specialty Conference, Cambridge, Mass., August 21-23, 1968, CE:July 68:44

ASCE Irrigation & Drainage Div. co-sponsor Symposium on Seepage, Phoenix, March 25-26, CE:Feb 68:78

ASCE Pipeline Div. co-sponsor of International Symposium on Two-Phase Flow in Pipes, Philadelphia, Mar 4-6, CE:Feb 68:81

ASCE Pipeline Division-PLCA Specialty Conference, Houston, Tex., Nov. 7, CE:Sept 68:74

"Civil Engineering in the Ocean," Conference, San Francisco, Sept. 6-8, CE:Mar 67:87; program, CE:July 67:64; proceedings available, CE:Apr 68:93

Engineering-Mechanics and Structural Divisions sponsor conference "Optimization and Non-linear Problems, Chicago, April 18-20, CE:Feb 68:82

Hydraulics and Sanitary Engineering Divisions cosponsor research conference on reservoir effects, Jan. 21-24, Portland, Oreg., CE:Mar 68:66

Irrigation and Drainage Division plans conference, CE:Sept 68:73

Sanitary Engineering Div. co-sponsors national symposium on estuarine pollution, Stanford Univ., Aug. 23-25, CE:Jan 67:86; CE:Apr 67:54; report, CE:Oct 67:84; proceedings available, CE:May 68:68

Space Facilities Conference, April 24-26, Los Angeles, CE:June 68:76

Symposium on earth materials, Univ. of New Mexico, Aug. 23-25, CE:Mar 67:89; CE:July 67:66; report, CE:Oct 67:85; proceedings available, CE:Jan 68:75

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(ASCE) Younger Members

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Kneading Compaction of Asphalt Beam Specimens, H. Hong, HW2:Nov 68:179:6231

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San Mateo-Hayward Bridge Paved With Epoxy

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- Commentary on Welded Cover-Plated Beams, Report of the Subcommittee on Cover Plates, Task Committee on Flexural Members, Structural Division, ASCE, John W. Fisher, Chmn., ST4:Aug 67:95:5383
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Permanent Beauty for Bridge Assured by Weathering Steels, S.F. Davison and J.L. Norris, CE:June 68:33

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Verrazano-Narrows Bridge: Development and Financing Project, Peter J. Reidy, CO2:Mar 66:1:4740

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Workmanship, materials and bridge-deck deterioration aspects of a report from the 47th annual meeting of the Highway Research Board in Washington, D.C., CE:Mar 68:96

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- Minimum Cost Design of Frames, R.A. Ridha and R.N. Wright, ST4:Aug 67:165:5394
- TR:133:507
- Model Studies of Wind Loads on Flat-Top Cylinders, D.M. Purdy, F.J. Maher, and Daniel Frederick, ST2:Apr 67:379:5209
- TR:133:282
- Monte Carlo Study of Structural Safety, R.F. Warner and A.P. Kabaila, ST12:Dec 68:2847:6275
- Multiple Folded Plates with Various End Conditions, Ti-ta Lee and Robert G. Vos, ST7:July 68:1761:6033
- Multispan Suspension Bridges Under Lateral Loads, Takeo Fukuda, ST1:Jan 68:133:5727
- New Method for Exact Analysis of Folded Plates, Paul E. Mast, ST2:Apr 67:453:5213
- TR:133:581
- Numerical Analysis of Soil-Moisture Systems, Irwin Remson, Alfonso A. Fungaroli, and G.M. Hornberger, IR3:Sept 67:153:5429
- TR:133:224
- One-day ICES conference at Wayne State University, April 27, CE:Mar 68:66
- Optimization of Wind Bracing in a Tower, Demetri Zavitzianos, CE:Oct 68:60
- Optimum Design--Minimum Weight Versus Fully Stressed, Thomas P. Kicher, ST6:Dec 66:265:5014
- TR:133:24
- Optimum Life of Equipment for Maximum Profit, James Douglas, CO1:Jan 68:41:5745
- Photogrammetry for Right-of-Way Acquisitions, Edward H. Sokolowski, SU1:Jan 68:49:5735
- POST: Problem-Oriented Subroutine Translator, John W. Melin, ST6:Dec 66:179:5009
- TR:133:198
- Programming for Pavlovsky's Ground-Water Problem, George T. Papadopoulos and Joakim G. Laguros, IR1:Mar 68:49:5840
- Rational 'Rational' Method of Storm Drainage Design, Richard A. Rogers, IR4:Dec 68:465:6301
- Recent Approaches for Trickling Filter Design, John M. Baker and Quintin B. Graves, SA1:Feb 68:65:5798
- Report on Small Computers, C.J. Montgomery, CE:June 67:36
- TR:133:437
- Roof-Structure Roof Drainage Interaction, Donald A. Sawyer, ST1:Jan 68:175:5738
- Sacramento section sponsors education seminars on computers, CE:May 68:51
- Simple Tools in a World of Computers, Frederick T. Mavis, CE:Apr 67:58
- TR:133:161
- Simulation As a Problem-Solving Technique, Ray R. Berman, PL1:Mar 67:21:5151
- TR:133:208
- Slender Prestressed Concrete Columns, Samuel Aroni, ST4:Apr 68:875:5886
- Slope Deflection and Moment Flow Graphs, Chuan C. Feng and Kenneth A. Stead, ST3:June 67:147:5276
- TR:133:478

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Solution for Gravity Flow Under a Sluice Gate, Delmar D. Fangmeier and Theodor S. Strelkoff, EMI:Feb 68:153:5797

Stability of Rigid Frames with Nonuniform Members, Chu-Kia Wang, ST1:Feb 67:275:5101 TR:133:456

Static and Dynamic Analysis of Pile Foundations, William E. Saul, ST5:May 68:1077:5936 Steady State Vibration of Damped Timoshenko Beams, Alan M. Ebner and David P. Billington, ST3:Mar 68:737:5861

Stream-Aquifer System Analysis, Ali Eshett and Morton W. Bittinger, HY6:Nov 65:153:4545 TR:133:628

Stresses and Displacements in Nonlinear Soil Media, Y.H. Huang, SM1:Jan 68:1:5714 Structural Optimization by Nonlinear Programming, Daniel M. Brown and Alfredo H. -S. Ang, ST6:Dec 66:319:5016

TR:133:212 STRUDL--A Computer System for Structural Design, Robert D. Logcher and Gerald M. Sturman, ST6:Dec 66:191:5010

TR:133:620 Synthesis of a Space Truss Based on Dynamic Criteria, J. William Young, Jr. and Henry N. Christiansen, ST6:Dec 66:425:5021

TR:133:129 Tabular Decision Logic for Structural Design, Steven J. Fenves, ST6:Dec 66:473:5024

TR:133:140 Techniques for Analysis of Large Structures, W.R. Spillers, ST11:Nov 68:2521:6233

Theoretical Analysis of Suspension Bridges, Saafan A. Saafan, ST4:Aug 66:1:4885

TR:133:110 Three-Dimensional Analysis of Tier Buildings, William Weaver, Jr. and Mark F. Nelson, ST6:Dec 66:385:5019

TR:133:169 Time-Varying Dissolved Oxygen Model, George D. Pence, John M. Jeglic, and Robert V. Thomann, SA2:Apr 68:381:5915

Two Computer Approaches to Subway Design, Winfield O. Salter, ST6:Dec 66:117:5006

TR:133:205 Universal Programs--Third Generation Systems for Third Generation Computers, Charles P.C. Tung and David Carsen, CE:Feb 68:62

Dsc: James D. Fitzgerald, CE:May 68:61; authors reply, CE:May 68:61; Robert N. Smart, CE:June 68:69

Dsc: of Fitzgerald, S.J. Fenves, CE:Aug 68:72

Unsteady Flows in Lines with Distributed Leakage, David C. Wiggert, HY1:Jan 68:143:5733

Vibration of Conical Shells Subjected to Torsion, Victor I. Weingarten, EMI:Feb 68:47:5783

Vibration of Nonuniform Simply-Supported Beams, Arthur C. Heidebrecht, EM2:Apr 67:1:5163

TR:133:392 Water Distribution Systems Analysis, Uri Shamir and Charles D.D. Howard, HY1:Jan 68:219:5758

Water-Hammer Analysis by Analog Computers, Don J. Wood, HY1:Jan 67:1:5052

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Yield Line Analysis of Folded Plate Structures, M.N. Fialkow, ST12:Dec 68:2935:6306

CONCENTRATED LOADS

Behavior of Loaded Cable Systems, W. Terence O'Brien, ST10:Oct 68:2281:6162

Flexure of Circular Plate by Concentrated Force, T.M. Lee, EM3:June 68:841:6006

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602-ft-High Lightweight Concrete Building in Australia, J. Stigter, CE:Nov 68:23

Advance Planning Speeds Construction of Mossyrock Dam, Charles O. Faris, CE:Sept 67:56

TR:133:631 Asphaltic Concrete Facing for a Rockfill Dam, Donald P. Prouditt, CE:Mar 68:58

Behavior of Structures in the Caracas Earthquake, Mark Fintel, CE:Feb 67:42

Cement-Treated Subbase Practice in U. S. and Canada, Edward L. Kawala, HW2:Oct 68:75:4947

TR:133:443 Chlorinated Rubber as a Concrete Curing Material, Fred J. Holland, CE:June 67:74

TR:133:340 Concrete Patching on a Runway, CE:Nov 67:78

TR:133:624 Concrete Pavements Tailored to Traffic, K.E. Carter, CE:Feb 67:58

TR:133:299 Constructing a Temporary Stream Gaging Station, Perry H. Rahn and M. Todd Giddings, CE:Dec 67:47

TR:133:693 Creep of a Cracked Reinforced Beam, Jerome L. Sackman and Robert E. Nickell, ST1:Jan 68:283:5764

Deterioration of Concrete in Eisenhower Lock, William R. Waugh, CE:May 68:62

Drilled-pier Cofferdam for a Building, Harold Engstrom and Robert Oates, CE:Apr 67:44

TR:133:63 Dynamic Loading of Several Concrete-Like Mixtures, Werner Goldsmith, Vernal H. Kenner, and Thomas E. Ricketts, ST7:July 68:1803:6041

Earthquake Requirements in Building Codes, Melvin W. Jackson, CE:May 67:48

TR:133:427 Engineering Close-up of HemisFair, R.E. Portik, CE:Apr 68:80

Dsc: R.E. Portik, CE:Aug 68:73 Evaluation of Concrete for Desalination Plants, Elmo C. Higginson and James E. Backstrom, ST2:Feb 68:417:5788

Expansive Cements in the United States, Philip W. Gutmann, CE:Nov 67:42

TR:133:595 How the California Water Project Endeavors to Get Uniformly Excellent Concrete, Lewis H. Tuthill, CE:July 67:40

TR:133:421 L'Enfant Plaza: Structure Does Double Duty as Air Distribution System, E. Pisetznar, CE:Dec 68:35

Maintenance Practices for Rigid Pavement, Report of Subcommittee on Maintenance of the Committee on Airfield Pavement, Aero-Space Transport Division, ASCE, Walter C. Oram, Chmn., AT1:Nov 68:57:6253

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- Minor Concessions to Contractors Produce More Economical Concrete Pavements, Harold J. Halm, CE:Nov 67:74
 TR:133:619
 New Bridges Founded on Old, Ned Ashton, CE:Nov 68:44
 Planning and Construction of an Ellipsoidal Dome, Joseph F. West, CO2:Oct 68:113:6129
 Restoring Salt-Damaged Highway Bridges, Robert J. Walsh, CE:May 67:57
 TR:133:429
 The Rheology of Fresh Concrete, Alistair G.B. Ritchie, CO1:Jan 68:55:5752
 Staggered Wall Beams for Multistory Buildings, Mark Fintel, CE:Aug 68:56
 Statistical Quality Control in Highway Construction, John L. Beaton, CO1:Jan 68:1:5708
 Structural Strength of Plain Concrete Bells, J.S. Alagia, CE:Mar 68:54
 Sulphur-Aggregate Concrete, John M. Dale and Allen C. Ludwig, CE:Dec 67:66
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 Ultimate Load Capacity of Arch Dams, Jorge I. Bustamante and Emilio Rosenbluth, EM4:Aug 66:21:4879
 TR:133:230
 Underground Garage Benefits from Innovations, Fritz Kramrisch, CE:Dec 67:44
 TR:133:689
 Verrazano-Narrows Bridge: Construction of Tower Foundations and Anchorages, Nomer Gray and George H. Dacanay, CO2:Mar 66:95:4744
 TR:133:659
 Welded Box Girders Span the Schuylkill River, Leopold Neiman, CE:Feb 67:38
 TR:133:255

CONCRETE (Air Entrained)

- Deterioration of Concrete in Eisenhower Lock, William R. Waugh, CE:May 68:62

CONCRETE (Blocks)

- Stability Tests of Interlocking Block Revetment, Jay V. Hall, Jr., WW3:Aug 68:331:6079

CONCRETE CONSTRUCTION

- Limit Design of Reinforced Concrete Frames, M.Z. Cohn, ST10:Oct 68:2467:6197

CONCRETE (Lightweight)

- 602-ft-High Lightweight Concrete Building in Australia, J. Stigter, CE:Nov 68:23
 Economy, Efficiency and Esthetics in Small Concrete Bridges, Arvid Grant, CE:May 67:66
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 New Deck Appeals Bridge of the Gods, N.W. Haner, CE:Nov 67:70
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 Precast Boxes Stacked to Build Hotel for HemisFair, Roy W. Gillette, CE:Mar 68:44

CONCRETE (Precast)

- Auxiliary Reinforcement in Concrete Connections, Robert F. Mast, ST6:June 68:1485:6002
 Fatigue of Grouted Sleeve Reinforcing Bar Splices, Don L. Ivey, ST1:Jan 68:199:5750

- Giant Culvert in the Tehachapis, Wayne W. Smith, CE:Aug 68:36
 New Medical Building Uses Precast Concrete, Frank Porter and Elmo Marker, CE:July 67:54
 TR:133:325
 PCI awards program honors ten projects, CE:Aug 68:100
 Precast Boxes Stacked to Build Hotel for HemisFair, Roy W. Gillette, CE:Mar 68:44
 Precast, post-tensioned building for Gulf Life Insurance Co., Jacksonville, Fla., CE:Mar 68:98
 A Prestressed, Lightweight Concrete Bridge Spans 131 Ft, George Laszlo, CE:Apr 67:64
 TR:133:126
 Prestressed Precast Concrete Railroad Bridges, Robert M. Barton, ST12:Dec 68:2885:6302
 Shallow Prestressed Girders for Fresno Underpass, S.H. Studzinski, CE:Oct 67:60
 TR:133:577
 Tunnel Liners for BART Subways, W.W. Wolcott and d. Birkmyer, CE:June 68:55
 Dec: Martin P. Korn, CE:Aug 68:73; Ben C. Gerwick, Jr., CE:Nov 68:31

CONCRETE (Prestressed)

- Ardrossan Bridge Employs Precast Prestressed Components, CE:Feb 68:48
 Behavior of Concrete in Biaxial Compression, George S. Robinson, ST1:Feb 67:71:5090
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 Calculation of Diameter of Stretched Rubber Gasket, Paul W. Kao, PL1:Mar 67:1:5135
 TR:133:622
 Cost of Concrete Industrial Buildings, John J. Cherry, CE:Jan 68:42
 Diagonal Cracking in Prestressed Concrete Beams, Jitendra N. Kar, ST1:Jan 68:83:5713
 Durability of prestressed concrete structures to be studied, CE:July 68:70
 Economy, Efficiency, and Esthetics in Small Concrete Bridges, Arvid Grant, CE:May 67:66
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 Forrestal Complex: Building Spans Street to Tie Split Site, E.E. Halmos, Jr., CE:Dec 68:32
 Inelastic Buckling and Sidesway of Concrete Frames, Wen F. Chang, ST2:Apr 67:287:5201
 TR:133:606
 International Symposia on Prestressed Concrete, Ben C. Gerwick, CE:Sept 68:64
 Launcher Erects Post-Tensioned Girders in Bolivia, Paul Stergiou, CE:Aug 67:66
 TR:133:383
 Limit Analysis of Continuous Prestressed Beams, Archibald N. Sherbourne and Hosagrah C. Parameswar, ST1:Jan 68:19:5709
 Post-Tensioned Slabs for Long-Span Floors, Keith Thornton, CE:Apr 68:75
 Precast, post-tensioned building for Gulf Life Insurance Co., Jacksonville, Fla., CE:Mar 68:98
 Prestressed Concrete Transmission Line Structures, Fred Ruckhaus, PO1:May 68:25:5934
 Prestressed Pipe for Power Site in New Zealand, Robert H. Weight, A. Max Jensen, and A.M. McConnell, PO2:Nov 68:143:6229
 Prestressed Precast Concrete Railroad Bridges, Robert M. Barton, ST12:Dec 68:2885:6302

CONCRETE (Prestressed) Continued

Process developed for pressed concrete panels,
CE:Aug 68:98

Review of Concrete Beams Failing in Shear,
Boris Bresler and J.G. MacGregor, ST1:Feb
67:343:5106

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San Mateo-Hayward Bridge--Innovation in
Design & Construction, E.R. Foley and J.
Philip Murphy, CE:Apr 68:54

Seismic Resistance of Prestressed Concrete
Structures, K.S. Savriev, CE:Aug 67:68

TR:133:385

Slender Prestressed Concrete Columns, Samuel
Aroni, ST4:Apr 68:875:5886

Stability of Tensile Cracks in Concrete Beams,
Nat W. Krah, Narbey Khachaturian, and Chester
P. Siess, ST1:Feb 67:235:5098

TR:133:121

Structural Tests on a Composite Floor System,
John F. McDermott, ST1:Feb 67:255:5100

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Suspension Bridge Approaches on the Orinoco,
Paul Lustgarten, CE:Jan 67:78

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CONCRETE (Reinforced)

Auxiliary Reinforcement in Concrete Connec-
tions, Robert F. Mast, ST6:June 68:1485:6002

Behavior of Reinforced Concrete Under Re-
peated Load, Boris Bresler and Vitelmo Bertero,
ST6:June 68:1567:6013

Behavior of Splices in Beam-Column Connec-
tions, Joseph P. Colaco and Chester P. Siess,
ST5:Oct 67:175:5500

TR:133:562

Behavior of Square Tanks on Elastic Founda-
tions, John Duncan Davies and John Edward
Long, EM3:June 68:753:5985

Corrosion laboratory tests concrete spalling,
CE:Jan 68:83

Design Charts for Reinforced Concrete Beams
in Metric Units, Yin Au-Yeung, CE:May 68:56

Floating V/STOL Airport Proposed, Edward
G. Naway and Cooper B. Bright, CE:July 67:45

TR:133:424

Limit Design by Successive Moment Distribu-
tion, Carl Berwanger, ST1:Feb 66:405:4691

TR:133:646

Limit Design of Reinforced Concrete Frames,
M.Z. Cohn, ST10:Oct 68:2467:6197

Longitudinally Restrained Reinforced Concrete
Beams, Gorman Gurfinkel and Chester P. Siess,
ST3:Mar 68:709:5859

Mechanisms of Shear Resistance of Concrete
Beams, R.C. Fenwick and Thomas Pauley,
ST10:Oct 68:2325:6167

Plastic Hinging in Reinforced Concrete, Ned
H. Burns and Chester P. Siess, ST5:Oct 66:45:
4931

TR:133:44

Reinforced Concrete Rectangular Columns in
Torsion, Alfred Bishara and Jong-Cherng Peir,
ST12:Dec 68:2913:6305

Review of Concrete Beams Failing in Shear,
Boris Bresler and J.G. MacGregor, ST1:Feb
67:343:5106

TR:133:342

Rotational Capacity of Reinforced Concrete
Beams, W. Gene Corley, ST5:Oct 66:121:4939

TR:133:451

Steel and Corrosion--Some Methods of Pro-
tection, Ronald A. Antonio, CE:Feb 67:32

TR:133:170

Ultimate Torque of Reinforced Rectangular
Beams, Thomas T.C. Husu, ST2:Feb 68:485:
5814

CONDUITS (Water)

Cement Mortar Lining of Large Diameter
Water Pipelines, James E. Wolfe, PL1:Oct 68:
81:6170

Dispersion Conduits, Thomas R. Camp and S.
David Graber, SA1:Feb 68:31:5781

Distribution of Head at a Rectangular Conduit
Outlet, Satya Prakash Garg, HY4:Jul 66:11:4863

TR:133:703

Hydraulic Efficiency in Culvert Design, Fred
W. Blaisdell, HW1:Mar 66:11:4709

TR:133:57

Plastic Design of Flexible Conduits, James M.
Doyle and Shih-Lung Chu, ST8:Aug 68:1935:6070

Progress Report--ASCE Combined Sewer
Separation Project, M.B. McPherson, CE:
Dec 67:60

TR:133:713

Secondary Currents in a Corner, James A.
Liggett, Chao-Lin Chiu, and Ling S. Miao,
HY6:Nov 65:99:4538

TR:133:115

CONFERENCES

1968 convention of American Congress on Sur-
veying and Mapping and American Society of
Photogrammetry, Washington, D.C., March,
CE:May 68:74

66th Annual Convention of the American Road
Builders' Association, Las Vegas, Nev., Feb.
11-14, CE:Apr 68:100

7th Annual Construction Safety Conference,
CE:Dec 68:89

88th Annual Meeting of the American Water
Works Association, Cleveland, June; discusses
costs, CE:July 68:68

American Association for the Advancement of
Science meeting features transportation seminar,
New York, CE:Feb 68:86

American Institute of Steel Construction 20th
Annual Conference, Washington, D.C., CE:June
68:84

American Society for Testing and Materials
sponsors symposium on deep foundations, San
Francisco, June, CE:Aug 68:101

American Society of agricultural engineers
meets, CE:Aug 68:98

Architect-Engineer Conference on "Facing the
Union Problem," CE:Jan 68:74

ASCE and AIME to co-sponsor tunneling con-
ference, Univ. of Minnesota, May 15-17, CE:
Apr 68:71

ASCE and Engineering Institute of Canada spon-
sor Great Lakes Conference, June 24-26, 1968,
CE:Apr 67:76; CE:Nov 67:79, report CE:Aug
68:52

Dec: William P. Rafferty, CE:Nov 68:58

ASCE co-sponsors 12th Annual Joint Power
Generation Conference, San Francisco, Sept.
15-19, CE:July 68:60

CONFERENCES (Continued)

ASCE co-sponsors 16th Joint Engineering Management Conference, Philadelphia, Sept. 30-Oct. 1, CE:July 68:61

ASCE co-sponsors 1968 National Incinerator Conference, New York City, CE:July 68:45

ASCE Irrigation & Drainage Div. co-sponsor Symposium on Seepage, Phoenix, March 25-26, CE:Feb 68:78

ASCE Pipeline Div. co-sponsor of International Symposium on Two-Phase Flow in Pipes, Philadelphia, March 4-6, CE:Feb 68:81

Associated General Contractors 49th Annual Conference, Dallas, Tex., CE:May 68:76

Column Research Council, annual technical session, San Francisco, May 23 and 24, CE:Apr 68:96

Commission on Irrigation, Drainage and Flood Control Conference, Phoenix, March 28-29, CE:Feb 68:78

Conference on Interprofessional Practice in Environmental Design, Univ. of Maryland, Nov. 1967, CE:Jan 68:56

Consulting Engineers Council studies liability insurance at N.Y.C. meeting, CE:June 68:75

Engineering Foundation Conference on performance of full-scale structures, Aug., Andover, N.H., CE:Oct 68:79

Engineering Foundation plans 16 summer research conferences, CE:Mar 68:78

Engineering-Mechanics and Structural Divisions sponsor conference "Optimization and Non-linear Problems, Chicago, April 18-20, CE:Feb 68:82

Federal Water Pollution Control Administration and Vanderbilt Univ. co-sponsor Symposiums on Thermal Pollution in 1968, CE:May 68:79

Highway Research Board conference features painting structures, predicting accidents, rail and transit, January, Washington, D.C., CE:Feb 68:88

International Conference on Masonry Structures, Austin, Tex., Nov. 30-Dec. 2, 1967, CE:Feb 68:91

International Forum for air cargo, San Francisco, June 10-12, CE:May 68:49

Interprofessional Conference on Education for Environmental Design, November, University of Notre Dame, CE:Sept 68:76

Is engineering obsolete? Theme of January meeting of New York Academy of Sciences, CE:Mar 68:77

Los Angeles Section co-sponsors Western Water and Power Symposium, April 8 and 9, CE:Feb 68:61

MECAR symposium, New York, Oct., on air pollution control, CE:Sept 68:73

Metropolitan and Philadelphia Sections plan seminar on planning and urban development, Rutgers Univ., Jan. 18-20, CE:Jan 68:78

Metropolitan Sections offers seminar on Rock Mechanics in Civil Engineering Practice, CE:Mar 68:78

National meeting, of Air Pollution Control Association, held in St. Paul, June, CE:Oct 68:85

Pan American Federation of Engineering Societies (UPADI) holds tenth convention in Panama City in August, CE:Oct 68:81

Sacramento section sponsors education seminars on computers, CE:May 68:51

San Francisco Local Section co-sponsors seminar on Design of Earthquake-Resistant High-Rise Buildings, CE:Jan 68:77

San Francisco Section sponsors second annual Engineering for People Conference, CE:Dec 68:79

Sanitary and Water Resources Conference, Nashville, Tenn., June 5-6, CE:Dec 68:92
SESA spring meeting, Philadelphia, May 13-16, papers wanted, CE:Sept 68:73

Specialty Research Conference on Power Research Needs Pullman, Wash., September 11-13, CE:Aug 68:89

Third International Conference on Urban Transportation, Pittsburgh, Pa., March, CE:May 68:77

Urban Hydrology Research Conference, "Water and Metropolitan Man," August 12-16, Andover, N.H., CE:Oct 68:83

Workmanship, materials and bridge-deck deterioration aspects of a report from the 47th annual meeting of the Highway Research Board in Washington, D.C., CE:Mar 68:96

CONSERVATION

Freeway and Rapid Transit Share Corridor, H.L. Payne and W.W. Russell and W.A. Pacheco, CE:May 68:38

Is There an East-West Water Conflict?, Floyd E. Dominy, SA4:Aug 67:41:5369

TR:133:499

President Johnson's conservation message, CE:Apr 68:106

CONSOLIDATION

Analysis of Consolidation by Rate Process Theory, T.H. Wu, D. Resendiz, and R.J. Neukirchner, SM6:Nov 66:229:4991

TR:133:580

The Behavior of Foundations During Construction, William T. Lambe, SM1:Jan 68:93:5740

Consolidation of Slightly Overconsolidated

Soils, Gerald Patrick Raymond, SM5:Sept 66:1:4893

TR:133:124

Dynamic Strength of Anisotropically Consolidated Sand, Kenneth L. Lee and H. Bolton Seed, SM5:Sept 67:169:5451

TR:133:492

Influence of Temperature Variations on Soil Behavior, Richard G. Campanella and James K. Mitchell, SM3:May 68:709:5958

Stability of Atchafalaya Levees, Robert I. Kaufman and Frank J. Weaver, SM4:July 67:157:5312

TR:133:235

Subsolls and Foundation Design in Richmond, Va., Leo Casagrande, SM5:Sept 66:109:4915

TR:133:70

Temperature Effects on Clay Soil Consolidation, Robert E. Paaswell, SM3:May 67:9:5225

TR:133:150

Willard Dam--Behavior of a Compressible Foundation, SM4:July 67:177:5313

TR:133:220

CONSTRUCTION

- 7th Annual Construction Safety Conference, CE:Dec 68:89
- Aluminum Orthotropic Bridge Deck in Pittsburgh, W.M. Rogerson, et al. CE:Nov 67:65
TR:133:621
- Anticipated Foundation Movement Affects Design, George Evans, CO2:Sept 67:23:5441
TR:133:219
- Arctic Construction Problems and Techniques, Neil T. Monney, Millard M. Hill, A. Oien, S.J. Rowland, and F.L. Vail, CO1:Jan 68:89:5760
- Asphalt Paving for a New Airport in Alabama, Reginald Kerlin, CE:Nov 67:46
TR:133:599
- Associated schools of construction meet, CE:Aug 68:99
- BART's Structural Design, Thomas R. Kuesel, CE:Apr 68:46
- Bidding--Work Loading Game, Paul E. Torgersen, Richard M. Wyskida, and Leonard S. Yarbrough, CO2:Oct 68:127:6141
- Cement-Treated Subbase Practice in U.S. and Canada, Edward L. Kawala, HW2:Oct 66:75:4947
TR:133:443
- Computer Design of 100-Story John Hancock Center, Fazlur R. Khan, Srinivasa H. Iyengar, and Joseph P. Colaco, ST6:Dec 66:55:5003
TR:133:162
- Construction and management research grants available from Engineering Foundation, CE:Jan 68:77
- Construction Control With Lasers, Donald Bengston, CE:Apr 68:72
- Construction Engineering and Management Conference planned, Pacific Grove, Calif., Feb. 12-16, CE:Dec 68:46
- Construction of Morrow Point Power Plant and Dam, James D. Seery, CO1:Mar 67:47:5154
TR:133:3
- Construction Personnel Management, Henry J. Nave, Jr., CO1:Jan 68:95:5765
- Construction Pore Pressures in Three Earth Dams, Chung Yuan Li, SM2:Mar 67:1:5122
TR:133:501
- Construction Practice for Hot-Mix Bituminous Pavements, Report of the Subcommittee on Construction of the ASCE Committee on Airfield Pavements, Aero-Space Transport Division, ASCE, Henry Aaron, Chmn., AT1:Nov 68:31:6251
- Construction Surveys for Merced River Project, Arthur R. Reitter and Robert N. Janopaul, SU2:Sept 68:203:6104
- Cost of Concrete Industrial Buildings, John J. Cherry, CE:Jan 68:42
- Critical Path Resource Scheduling Algorithm, F. Lawrence Bennett, CO2:Oct 68:161:6152
- Dynamic Programming for Project Cost-Time Curves, William S. Butcher, CO1:Mar 67:59:5158
TR:133:39
- Eight-Berth Marine Terminal in Deep Bay Mud, Eugene L. Sembler, WW3:Aug 67:23:5366
TR:133:523
- Engineered Structures at Expo 67, Hal W. Hunt, CE:Mar 67:40
TR:133:310
- Foundations for Newport Bridge, Louis G. Silano and Alfred Hedefine, CE:Oct 68:37
- Ground Freezing in Construction, Frederick J. Sanger, SM1:Jan 68:131:5743
- Grouting a Dam Cutoff in Cavernous Limestone, Leland F. Grant and John S. Winefordner, CO3:Sept 66:1:4894
TR:133:706
- Harvard Gulch Flood Control Project, Kenneth R. Wright, IR1:Mar 67:15:5132
TR:133:45
- Homestake Collection System: Intakes and Conduits, H.C. Cox, W.H. Blair, and R.L. Perley, PL2:July 67:51:5349
TR:133:289
- Launcher Erects Post-Tensioned Girders in Bolivia, Paul Stergiou, CE:Aug 67:66
TR:133:383
- Madison Square Garden--Fabrication and Erection of Cable-Supported Roof, J.A. Sterner, CE:Oct 67:43
TR:133:534
- Materials Control and Test Procedures, Robert F. Baker, CO3:Sept 66:17:4896
TR:133:17
- Morrow Point Dam Completed, B.P. Bellport, CE:Dec 68:48
- Navy Anniversary--CEC and the Seabees, CE:Mar 67:35
TR:133:316
- Newark Airport Redevelopment Program, John P. Veerling, AT1:Nov 68:19:6244
- Optimal Construction Staging by Dynamic Programming, Monroe L. Funk and Frank A. Tillman, HW2:Nov 68:255:6215
- Optimizing Haul Fleet Size Using Queueing Theory, Fletcher H. Griffis, CO1:Jan 68:75:5753
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Ocean Engineering and the American Society of Civil Engineers, Thomas C. Kavanagh, CE:Feb 68:55

Oceanography As an Aid to Engineering in Coastal Waters, Gino Mecarini, CE:Jan 67:80

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Ocean Wave Force Instrumentation, Thomas L. Russell, Volkmar Schoettle, and Robert G. Chown, WW4:Nov 66:1:4978

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Offshore Technology Conference, Houston, Tex., May 19-21, 1969, CE:Aug 68:98

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Mathematical Flow Determination in Open Channels, James A. Liggett, EM4:Aug 68:947;6078

Measurement of Turbulence in Water, Everett V. Richardson and Raul S. McQuivey, HY2:Mar 68:411;5855

Wave Transformation in an Open Channel Transition, E.L. Bourdinos and A.T. Ippen, HY5:Sept 68:1317;6128

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Optimum Frameworks under Single Load System, Dhanjoo N. Ghista, ST5:Oct 66:261;4953

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PCI awards program honors ten projects, CE:Aug 68:100

World Federation of Engineering Organizations inaugurated at Paris, March 4-7, CE:Apr 68:94

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Engineering Aspects of a Nuclear Desalting Plant, Joseph G. Perri, POI:Mar 67:31:5152

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Dworshak Dam Spillway and Outlets Hydraulics Design, Albert L. McCormmach, HY4:July 68:1051:6045

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Oxygen Relationships in Intermittent Sand Filtration, Albert B. Pincince and Jack E. McKee, SA6:Dec 68:1093:6295

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Highway Research Board conference features painting structures, predicting accidents, rail and transit, January, Washington, D.C., CE:Feb 68:88

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Parking Lot Retains Natural Elements, Armand E. Werle, CE:Nov 68:58

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Post-Tensioned Slabs for Long-Span Floors, Keith Thornton, CE:Apr 68:75

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Asphalt Paving for a New Airport in Alabama, Reginald Kerlin, CE:Nov 67:46

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Chart for Determining Equivalent Single-Wheel Loads, Y.H. Huang, HW2:Nov 68:115:6213

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Concrete Pavements Tailored to Traffic, K. E. Carter, CE:Feb 67:58

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Cracked Pavement Slabs with Nonuniform Support, William R. Hudson and Hudson Matlock, HW1:Apr 67:19:5191

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Expansive Cements in the United States, Philip W. Gutmann, CE:Nov 67:42

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Fatigue Characteristics of Flexible Pavement, Hyoungkey Hong, HW1:Apr 67:43:5192

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Lime-Treated Soils for Pavement Construction, Marshall R. Thompson, HW2:Nov 68:191:6249

Maintenance Practices for Rigid Pavement, Report of Subcommittee on Maintenance of the Committee on Airfield Pavement, Aero-Space Transport Division, ASCE, Walter C. Oram, Chmn., AT1:Nov 68:57:6253

Michigan Dept. of State Highways studies cracking of bituminous resurfacing, CE:July 68:72

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Review of Cavitation Research on Valves, J. Paul Tullis and B.W. Marschner, HY1:Jan 68:1:5705

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Dynamics of Tier Buildings, William Weaver, Jr., Mark F. Nelson, and Thomas A. Manning, EM6:Dec 68:1455:6293

Earthquake Behavior of Reservoir-Dam Systems, Anil K. Chopra, EM6:Dec 68:1475:6297
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Lateral Vibrations of Plane Curved Bars, Muppidi N. Reddy, ST10:Oct 68:2197:6148
Nonlinear Parameters of Vibrating Foundations, O. M. Christof Ehrler, SM6:Nov 68:1199:6208

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Optimum Design of Beams for Sudden Loading, Raymond M. Brach, EM6:Dec 68:1395:6272
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Screening of Surface Waves in Soils, Richard D. Woods, SM4:July 68:951:6031

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Seismic Response of Single-Story Interaction Systems, David S. Perelman, Richard A. Parmelee, and Seng-Lip Lee, ST11:Nov 68:2597:6235

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Vibration of Conical Shells Subjected to Torsion, Victor I. Weingarten, EM1:Feb 68:47:5783
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Wastes from the Preservation of Wood, E. Joe Middlebrooks, SA1:Feb 68:41:5785

Water Needs in 1999, Vance C. Lischer, UP1:Jan 67:13:5061

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European Practice in Water Quality Control, Walter A. Lyon, SA3:June 67:37:5284

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Free Surface Shear Flow Over a Wavy Bed, Yoshiaki Iwasa and John F. Kennedy, HY2:Mar 68:431:5856

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Management: A Key to Irrigation Efficiency, Leonard J. Erie, IR3:Sept 68:285:6107

Measurement of Turbulence in Water, Everett V. Richardson and Raul S. McQuivey, HY2:Mar 68:411:5855

Mixing of Two Concentric Jets, D.C. Kotwal, Y.R. Reddy, and Subir Kar, HY2:Mar 68:505:5866

Stable Alkanol Dispersion to Reduce Evaporation, Gary W. Frasier and Lloyd E. Myers, IR1:Mar 68:79:5849

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 Irrigating with Cut-Back Furrow Streams, John G. Sakkas and William E. Hart, IR1:Mar 68:91:5852
 Relationships Among Sprinkler Uniformity Measures, Jack G. Beale and David T. Howell, IR1:Mar 66:41:4720
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 Transportation of Demineralized Water, Roy E. Dodson, PL1:Oct 68:127;6191
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 Photoelastic Model Studies of Wye Manifold Branches, S. Redner and J.H. Perrotta, PL1:Oct 68:107;6180

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Biological Effects of Spoil Disposal in Chesapeake Bay, David A. Flemer, W.L. Dovel, and H.T. Pfutzenmeyer, and D.E. Ritchie, Jr., SA:Aug 68:683:6081

Coliform-Fecal Coliform Bacteria in Tidal Waters, Gerald A. Strobel, SA:Aug 68:641:6068
Conducting an Industrial Water Pollution Survey, William H. Merrill, Jr., CE:May 68:42
Deep-well Disposal of Wastes, William R. Walker and Ronald C. Stewart, SA:Oct 68:945:6171

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Design Sensitivity of Pollution Control, George K. Young, R.W. Schrecongost, and W.N. Fitch, SA:Oct 68:829:6147

Difference Modeling of Stream Pollution, David A. Bella and William E. Dobbins, SA:Oct 68:995:6192

Dispersion Predictions in Natural Streams, Hugo B. Fisher, SA:Oct 68:927:6169

Effect of Drought on Stream Quality in New Jersey, Pater W. Anderson and John E. McCall, SA:Oct 68:779:6138

Enteric Disease Criteria for Recreational Waters, John M. Henderson, SA:Dec 68:1253:6320

Environmental Aspects of Thermal Station Design, R.T. Richards, CE:May 68:45

Environmental Effects of Overboard Spoil Disposal, Robert B. Biggs, SA:June 68:477:5979

Eutrophication-The New Pollution, Gilbert V. Levin, CE:May 67:68

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Evaluation of Nitrification in Streams, Chester T. Wenzek and John J. Gannon, SA:Oct 68:883:6159

Federal grant to help restore Cleveland beaches, CE:June 68:85

Federal-state relationships discussed at WPCF meeting, CE:Nov 68:74

Federal Water Pollution Control Administration and Vanderbilt Univ. co-sponsor Symposiums on Thermal Pollution in 1968, CE:May 68:79

Functions of the International Joint Commission, Eugene W. Weber, PO:Nov 68:177:6236

Fundamentals of Water Pollution Control, William H. Wisely, CE:Oct 67:33

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Hydrology of Water Quality Dilution Requirements, Malcolm F. Kallus and Jack W. Keeley, SA:Oct 68:7:4930

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Intertidal Communities as Monitors of Pollution, R.T. Oglesby and David Jamison, SA:June 68:541:6008

Inventory of Combined Sewers, Richard H. Sullivan, CE:Nov 68:52

Joint Committee on Revenue Requirements for Wastewater Systems to prepare new report, CE:Sept 68:75

Legislation on Water Pollution in The Netherlands, Pieter G. Meerman, SA:Apr 68:237:5893

Mathematical Model for Water Pollution Control Studies, Alvin S. Goodman and William E. Dobbins, SA:Dec 66:1:5031

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Numerical Analysis of BOD and DO Profiles, Robert Dresnack and William E. Dobbins, SA:Oct 68:789:6139

Numerical Studies of Unsteady Dispersion in Estuaries, Donald R.F. Harleman, Chok-Hung Lee, and Lawrence C. Hall, SA:Oct 68:897:6160
Oceanography As an Aid to Engineering in Coastal Waters, Gino Mecarini, CE:Jan 67:80

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The Orsanco Story, CE:May 68:36

Plan to save Lake Erie, CE:Nov 68:76

Pollution program adopted for Lake Michigan, CE:May 68:78

Predicting DO Variations Caused by Algae, Richard C. Bain, Jr., SA:Oct 68:867:6155

Reservoir Analysis for Low Flow Control, Technical Note by G.K. Young, Jr., and W.C. Pisano, SA:Dec 68:1305:6294

Sanitary Engineering Div. co-sponsor national symposium on estuarine pollution, Stanford Univ., Aug. 23-25, CE:Jan 67:86; CE:Apr 67:54; report, CE:Oct 67:84; proceedings available, CE:May 68:68

Sludge Disposal at Sea, CE:Aug 68:62

Statistical Approach to Estuarine Behavior, T.A. Wastler and Carl M. Walter, SA:Dec 68:1175:6311

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Removal, Robert J. Sherwood, CE:May 68:32

Viral Pollution of Shellfish in Estuary Waters, T.G. Metcalf and W.C. Stiles, SA:Aug 68:595:6063

Water Pollution Control--Gearing Performance to Promise, Edward J. Cleary, CE:Jan 68:62
Water Quality Management in Transition, Joe G. Moore, Jr., CE:June 68:61

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Drilled-pier Cofferdam for a Building, Harold Engstrom and Robert Oates, CE:Apr 67:44

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Membrane Linings for Canal Construction, M.E. Hickey and B.V. Jones, CE:Apr 68:51
Seepage Prevention with Impermeable Membranes, Charles E. Staff, CE:Feb 67:44

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Tunnel Liners for BART Subways, W.W. Wolcott and d. Birkmyer, CE:June 68:55

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Waterproofing a Tunnel under a Canal, Sami Tibshirani, CE:July 67:37

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"Balas" Algorithm for Zoned Uniform Treatment, Jon C. Liebman and David H. Marks, SA4:Aug 68:585;6059

Chloride Control--Arkansas and Red River Basins, M.W. DeGeer and John C. Ball, SA1:Feb 68:117;5812

Conceptual Problems in Water Quality Economics, Virgil Whiteley and Bill B. Dendy, SA5:Oct 68:841;6149

Dustfall as a Source of Water Quality Impairment, Richard E. Johnsen, August T. Rossano, and Robert O. Sylvester, SA1:Feb 68:245;4694 TR:133:723

Enforcing Delaware Basin's water-quality standards, CE:Sept 68:81

Environmental Aspects of Thermal Station Design, R.T. Richards, CE:May 68:45

Erosion Control in Relation to Watershed Management, William R. Moore and C. Edwin Smith, IR3:Sept 68:321;6126

Estuarine Water Quality Management, Richard L. Rosenberger and Raymond Walsh, SA5:Oct 68:913;6164

Experience with Surface Water Quality Standards, I. Grossman, SA1:Feb 68:13;5778

Getting More for the Water-Pollution Control Dollar, Richard Hazen, CE:Dec 67:38

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Hydraulics and Sanitary Engineering Divisions cosponsor research conference on reservoir effects, Jan. 21-24, Portland, Oreg., CE:Mar 68:66

Hydrology of Water Quality Dilution Requirements, Malcolm F. Kallus and Jack W. Keeley, SA5:Oct 66:7;4930

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Impoundment Destratification by Mechanical Pumping, William H. Irwin, James M. Symons, and Gordon G. Robeck, SA6:Dec 66:21;5032

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Impoundment Water Quality Changes Caused by Mixing, James M. Symons, William H. Irwin, and Gordon G. Robeck, SA2:Apr 67:1;5205

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Is There an East-West Water Conflict?, Floyd E. Dominy, SA4:Aug 67:41;5369

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Operational Hydrology Using Residuals, G.K. Young and William C. Pisano, HY4:July 68:909; 6034

The Orsanco Story, CE:May 68:36

Pumped Storage for Water Resources Development, Clarence J. Velz, James D. Calvert, Jr., Rolf A. Deininger, William L. Heilman, and John Z. Reynolds, SA1:Feb 68:159;5820

Red Water in South Bend, Phillip Moses, CE:Mar 67:68

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Refuse Filling of a Swamp in a Fresh Water Lake, Walter L. Dunn, CE:Jan 68:60

Reuse of Municipal Waste Water, A. Amramy, CE:May 68:58

Risk Evaluation in Sewage Treatment Plant Design, Daniel P. Loucks, SA1:Feb 67:25;5109

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Water Quality in Pumped Storage Reservoirs, John Z. Reynolds, PO2:Oct 67:15;5498

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Water Needs in 1999, Vance C. Lischer, UP1:Jan 67:13;5061

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ASCE and Engineering Institute of Canada sponsor Great Lakes Conference, June 24-26, 1968, CE:Apr 67:76; CE:Nov 67:79, report, CE:Aug 68:52

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ASCE National Meeting on Water Resources, New Orleans, La., Feb. 3-7, program, CE:Dec 68:66

ASCE research program in urban water resources, CE:May 68:70

Beginning of Quantitative Hydrology, Asit K. Biswas, HY5:Sept 68:1299;6123

Bio-Engineering--Now and in the Future, William M. Striplin, Jr., CE:July 68:49

Central America plans hydrometeorological project to evaluate water resources, CE:Feb 68:91

Competition for Recreation Water in California, Amolio Gomez and Dale A. Crane, IR3:Sept 68:295;6109

Comprehensive River Basin Planning, Wallace R. Christensen, PL1:Oct 68:11;6136

Comprehensive River Stabilization, Walter C. Carey, WW1:Feb 66:59;4672

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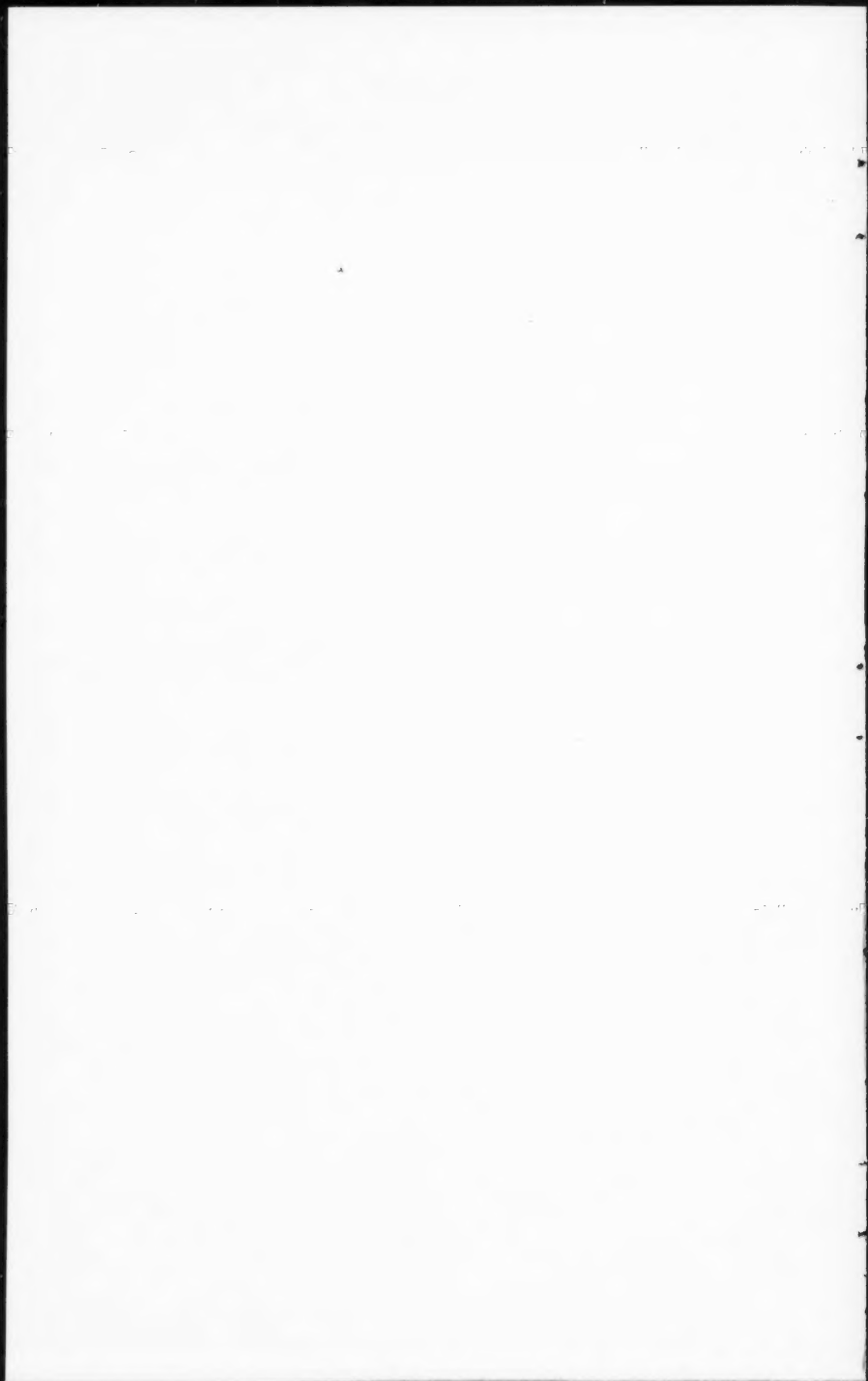
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